: WHEEL ASSEMBLY

: D3233041

: 3/17/2008

· N/A

: B

D3233 REV B

Tuesday, 2/26/2006 8:02:27 AM

Kim Johnston

**Process Sheet** 

**Drawing Name** 

Part Number

Material

Due Date

Description:

Drawing Number

Project Number

Drawing Revision

Customer : CU-DAR001 Dart Helicopters Services

: 37638 Job Number : 12099

Estimate Number P.O. Number

: 2/26/2008 This Issue

Prsht Rev.

: NC

First Issue : 11

: 35380 Previous Run

Written By Checked & Approved By

Comment

Additional Product

: Est

05.07.18

Type

S.O. No. :

D3233-5 was D3332-5; Qty changed by

: LARGE FAB ASSY

half KJ/JLM

Job Number:



Seq. #:

WA OB

1.0

Machine Or Operation:

Hub Sleeve

Comment: Qtv.:

1.0000 Each(s)/Unit Total:

12.0000 Each(s)

Hub Sleeve Pick:

Qty Part Number

Description Batch

Hub Sleeve

1 D32337

Comment: Qty.:

1.0000 Each(s)/Unit Total: 12.0000 Each(s)

Shaft Sleeve

WAOIS Pick

3.0

Qty Part Number

Description Batch

1 D3233-7 Shaft Sleeve 7

Tire & Rim Assembly

D32339



Comment: Qty.: 1.0000 Each(s)/Unit

12.0000 Each(s) Total:

Tire & Rim Assembly Pick:

Part Number Description

Tire & Rim Assembly

4.0 NKI 3020

Comment: Qty.:

2.0000 Each(s)/Unit Total:

24.0000 Each(s)

Bearing Pick:

NKI 30/20

Part Number Description

Bearing & Inner Sleeve

M10+2x0

FF 08-05-28

FF 00-05-20 (10)

(10

10

Dart	Apr	ne	nace	I td
Dail	MEI	US	Date	Ltu

14110				WORK OPPER	OLIANOTO					
W/O:				WORK ORDER	CHANGES					
DATE STEP		£5	PR	OCEDURE CHANGE		By Date Q			Approval Chief Eng / Prod Mgr	Approval QC Inspector
		34								
Part No	:		_ PAR #:	Fault Category:	NCI		No DQA			
							N/C Closed	1:	_ Date: _	

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
455 000 may 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Description of NC	Corrective Action Section B			Verification	Annewal	A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
		-						
						п		
		a						
			7					
		1						
							(4)	

NOTE: Date & initial all entries

Date: Tuesday 2/26/2008 8:02:27 AM User: ' Kim Johnston **Process Sheet** Drawing Name: WHEEL ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3233041 Job Number: 37638 Job Number: Description: Seq. #: Machine Or Operation: .004" Brass Shim Stock SHIM STOCK 5.0 Comment: Qty.: 48.0000 f(s) Total: .004" Brass Shim Stock Pick: (0) Part Number Description Qty FF 08-05-28 4 35X45X7 Bearing Seal 6.0 2.0000 Each(s)/Unit Comment: Qtv.: Total: 24.0000 Each(s) Bearing Seal Pick: Part Number Description Qty Batch 35x45x7 Axel Seal FF 08-05-28 or CR 35x45x7 HMS4 R 7.0 LARGE FAB 1 Comment: LARGE FABRICATION RESOURCE 1 Press out bearings that are supplied with D3233-9 wheel and discard them. Cut shims and assemble as per Dwg D3233 Spray inside hub and bearing with LPS-3 & block hole with a clean dry rag for storage. 8.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP 9.0 PACKAGING RESOURCE #1 4- Cul 6- esta Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 10.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Form mrocess

Page 2

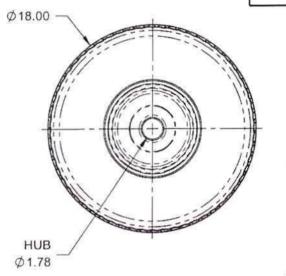
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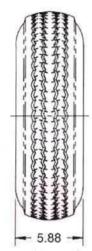
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W/O:			WC	ORK ORDER CHANGES					9
DATE	STEP	PROC	EDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								a1	
Part No	:	PAR #:		gory: N	QA: N	C Close		_ Date: _ _ Date: _	
				Corrective Action Section B					
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verific Secti		Approval Chief Eng	Approval QC Inspector
								n	

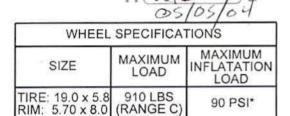
NOTE: Date & initial all entries



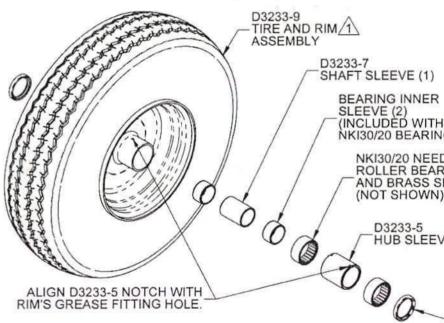
DESIGN	DRAWN BY	DART AEROSPAC HAWKESBURY, ONTARIO,		
CHECKED	APPROVED	DRAWING NO. D3233	REV. B SHEET 1 OF 3	
DATE	1000	TITLE	SCALE	
	05.03.08	WHEEL ASSEMBLY	1:1	
Α	05.02.18	NEW ISSUE		
В	05.03.08	ADDED BEARING SEALS		







MANUFATURER'S RECOMENDATIONS ARE 75 PSI FOR HIGH SPEED USE.



NKI30/20 BEARING) NKI30/20 NEEDLE ROLLER BEARING (2) 2 3 UNCONTROLLED COP AND BRASS SHIMS (8) (NOT SHOWN)

D3233-5 HUB SLEEVE (1)

> BEARING SEAL WALBY P/N 35x45x7 OR CR 35x45x7 HMS4 R P/N 13927

(2 PLACES)

SHOP COPY RETURN TO

ENGINEERING

D3233-041 WHEEL ASSEMBLY

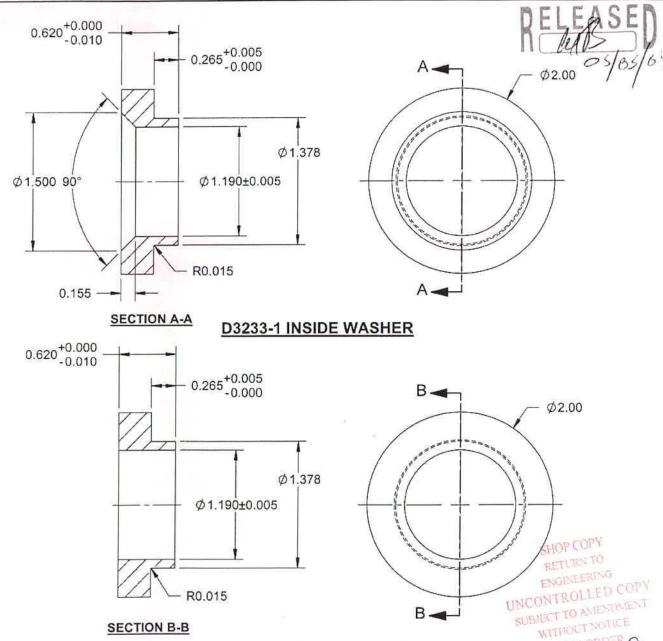
### NOTES:

- 1) POSSIBLE SUPPLIER: McMASTER-CARR, P/N 8353T74
- 2) POSSIBLE SUPPLIER: GENERAL BEARING 3) PRESS FIT NEEDLE ROLLER BEARINGS INTO RIM HUB WITH (4) 0.5 X 0.75 X 0.004 BRASS SHIMS PER BEARING, (1) AT EACH QUADRANT. 4) POSSIBLE SUPPLIER: GENERAL BEARING
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 6) ALL DIMENSIONS ARE IN INCHES

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#### NOTES:

1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)

2) FINISH: POWDER COAT FIRE RED (REF. 4.3.5.10) PER DART QSI 005 4.3

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES

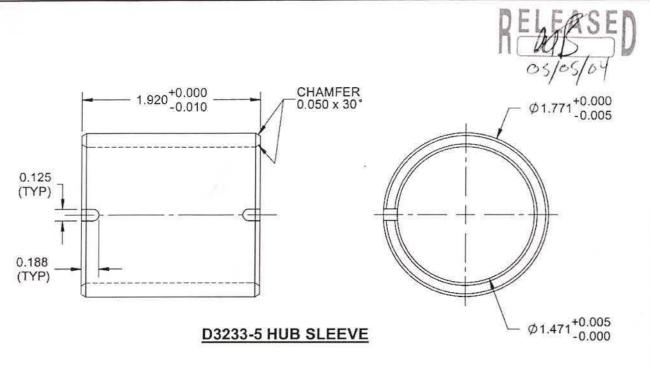
**D3233-3 OUTSIDE WASHER** 

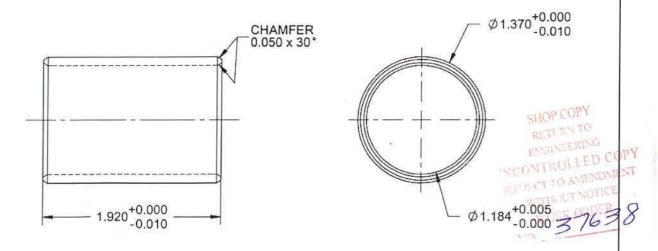
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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DESIGN 3	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	ABBROXED	DRAWING NO. D3233	REV. B SHEET 3 OF 3	
DATE 05	.03.08	WHEEL ASSEMBLY	SCALE 1:1	





# D3233-7 SHAFT SLEEVE

## NOTES:

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)

  2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

  3) ALL DIMENSIONS ARE IN INCHES

  4) BREAK ALL SHARP EDGES 0.010 TO 0.030

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